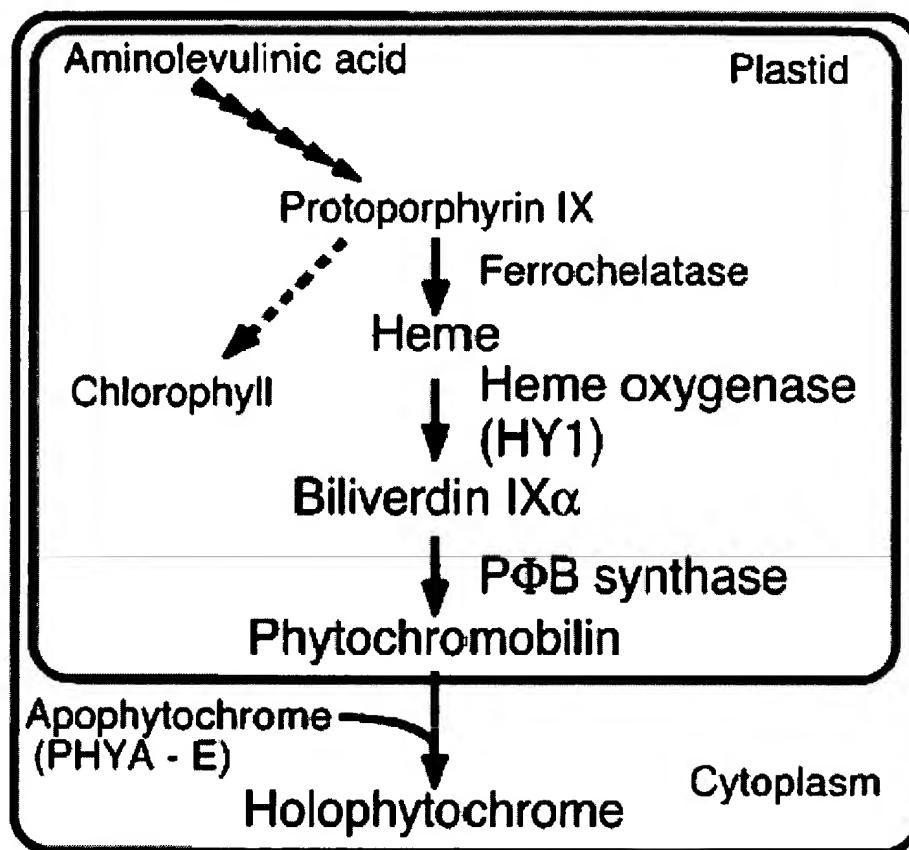


**Fig. 1**

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**Fig. 2**



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gaattccccacgtcaacgtgactgtgcattccacgtggcggatgtgggcccctatagttgg 60  
accatgactoggacggatgttgaaattcattgtcgttgccaattgcgtttgtctcactga 120  
aactgtgaaaattttatctcttttatagataaAGAATCTTGCTTTTTTCAGTTTTTCAGTA 180  
TGAAGAAGAATTGAAGAGAGTGTCCGAGGAAGGAGACCTTTGGTTTCAGTTTGTGAGTCT 240  
TGTTGTAATGGCTTTATCAATGGAGTTTGGGTTTTCAATTGGGTCATGCTTCAAGGCACC 300  
M A L S M E F G F S I G S C F K A P  
AAACCCACCTGTTCTAATCTCTGCAAGCCCTAATAAGATCAATTCACGTTGAGAAGGAG 360  
N P P V L I S A S P N K I N F T L R R R  
AAAGAAAAGATTCTTACTTAGAGTCTCTGCTGTGTCGTATAAGGAATTCGCAGAGTCTGC 420  
hy2-106 \*\*\*\*\*  
K K R F L L R V S A V S Y K E F A E S A  
TTTAGAAGAAACCAGGAAAAGGATCGTTCTTGAACCTTCACATCTCCAGgtatatgcaat 480  
L E E T R K R I V L E P S H L Q  
tacatttcggttagtgtagtgggaggattatatatttcctcattgtttcttgctgtgaattttg 540  
ggtaaattgatttgagttgtcattaggaaccaaaacaaataactttactggttatagactgc 600  
ttatataagtaaaaagttcagatttttggttttctaatsacgaaactgtttcagGAAAAGTA 660  
E K Y  
TAGTAGCATGACAGGACTAGATGGTAAGACCGAACTTCAAATGCTTGCTTTTAAATCTTC 720  
S S M T G L D G K T E L Q M L A F K S S  
AAAGATTAGACTCTTGAGGAGTATGGCAATAGAGAATGAGACAATGCAGgtttaacttca 780  
K I R L L R S M A I E N E T M Q  
gcagtacaaactgattgctttagtccttcatttccttactttcaattgattgattgtttgta 840  
hy2-105 \*\*\*\*\*  
tcttcgcttagGTCTTTGACTTTGCGGGTTTCATGGAGCCTGAGTATGATACTCCCATAT 900  
hy2-1,hy2-104 T  
V F D F A G F M E P E Y D T P I F  
TCTGTGCTAACTTTTTTCACATCTACCAACGTTAACATAGTTGTATTgtaagttatcttct 960  
C A N F F T S T N V N I V V L  
agttatgctggagttatcaggtctgtattgtccaaactgatgttcaatattttactgtat 1020

Fig. 3B

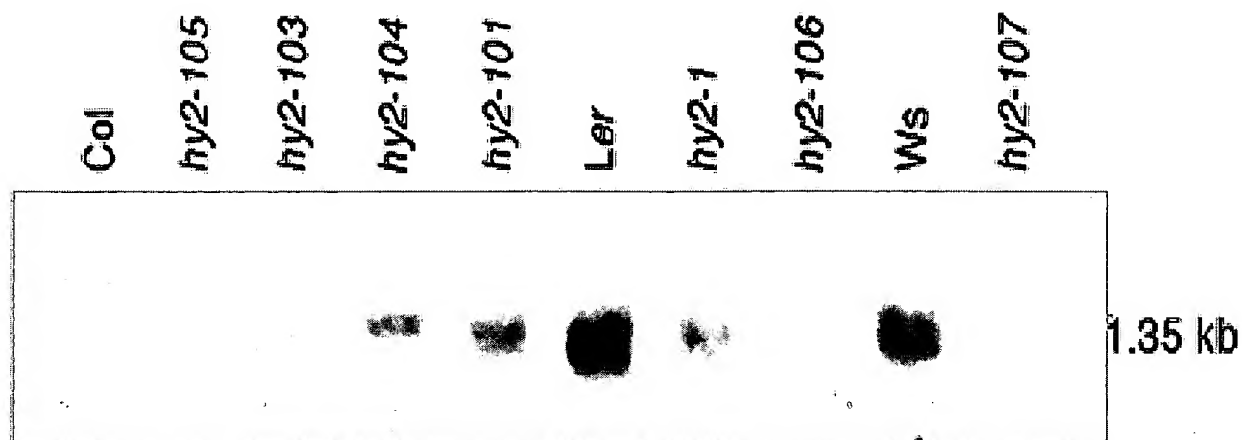


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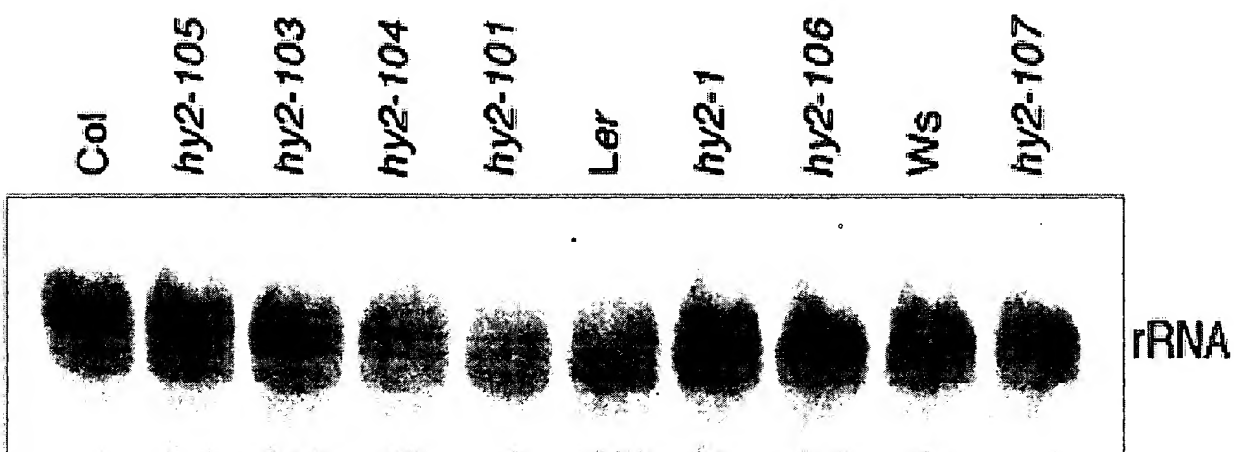
gttcttcttttagGGACCTTAATCCTTTGCATCAGTTGACTGACCAGACGGATTACCAAGA 1080  
D L N P L H Q L T D Q T D Y Q D  
CAAGTATTATAACAAGATAATGTCCATATATCACAAATATGCTGAGgtgaccacaagaat 1140  
K Y Y N K I M S I Y H K Y A E  
acaccaaattactcaattgcaagtaaacctaattgctgaggtgtaaatgactgatcttgag 1200  
atattatttgcagACTTTCCCATGGGGAGGGAAATTGACTGGTGAATCCATAAAGTTTTC 1260  
hy2-101 A  
T F P W G G K L T G E S I K F F  
TCGCCTTTGGTGATGTGGACTAGGTTTTCGTCTAGCAAAGAAAAACATAAGGCTTTGTTC 1320  
S P L V M W T R F S S S K E K H K A L F  
TCTGCGTTTCTAGAGTACTATCAGgtatataactcagcgcccaaaagctaagggttttattg 1380  
S A F L E Y Y Q  
gaaactttgactgagaatctatcatcttcttctacagGCATGGCTTGAGATGACAATCC 1440  
hy2-107 a  
A W L E M T I Q  
AAGTGAGGGAGGAGATGGAACCATCTCATGTGAGAGCCAATTGTGAAGCACAAACACAAGT 1500  
V R E E M E P S H V R A N C E A Q H K Y  
ACCTGACATGGCGAGCACAAAAGgtgatttcatttccttttgtgtaatttgcatgtttga 1560  
hy2-103 A  
L T W R A Q K  
acagacactgtatctgtattgttacaantggatattgatttgggtgtttgcagGATCCTGGA 1620  
hy2-102 a  
D P G  
CATGGTCTTCTTAAAAGATTAGTAGGTGAAGCAAAGGCCAAAGgtataaaagatttgatcc 1680  
H G L L K R L V G E A K A K  
cattagtgtccccattattaattagcttgtgaagatgttgaaaatgatttgaacaaaatc 1740  
agGAGCTGCTAAGGGATTTCCTGTTCAATGGGGTGGATGAGTTAGGCACAAAAACATTCA 1800  
E L L R D F L F N G V D E L G T K T F I  
TTGATTACTTTCCAGAGTACCAACAGAAGATGGAACGTGAAGCGATAAACGAAGTATCA 1860  
D Y F P E Y Q T E D G T V S D K R S I I  
TTGGGAAGTCATATGAAACTCGTCCATGGGATTTAACAGGACAATTTATCGGCTAACAAT 1920  
G K S Y E T R P W D L T G Q F I G ==  
GATATATGTGAACAAGTCAGATTTTCAGAGTCATCAACACAAGAGGACGTGAACCTTAGGGA 1980  
AGTAGGAATAAGAAAGAGCAGCATGAGGAGTCTCTCAGGTCTATCTGCATTTCAAGATGA 2040  
TTGTTTGAGTTACCATGCATTGTAGTTTACAAAGTGTAGCTCTCAGCCCTTCATCAAAAT 2100  
GAGAATCCTCGAGTATGATATGATTTTAATGAAAATGTATTTCGTCTCTacctaatacaaca 2160

Fig. 3B cont'd.

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**Fig. 4A**



**Fig. 4B**



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```

*                20                *                40
HY2_ARATH : MALSMEFGFSIGSCFKAPNPVLI SASPNKINFTLRRRKK
YCP2_SYNPY : -----
YHP2_PROMA : -----
YHP3_PROMA : -----MI I KR DNS
YCP3_SYNPY : -----MTNQR FKS
SLR0116 : -----MAVTDLSLTN

```

```

*                60                *                80
RFLLRVS AVSYKEFAESALEETRKRI VLEP SHLQEKYSSMTGLDGK- : 86
-----MFD SFLNELHSDITKR-----GGSPLPLPEGLEECRSSKSS- : 36
-----MNKLMLQDLHNNLKRRI-ISHGCKPIEVENGMSERFSHKQD- : 40
LSKIDLRDWIWT PFFNDLV DKL-SVFELEPYPVSHDFLSKESITGSR : 54
TDPVNIEGWSWQPFLEDAIKRL-EGLNVEPYVPDRFLQREDQTGSK : 54
SSLMP TLNPMIQQLALAI AASW-QSLPLKPYQLPEDLG YVEGRLEGE : 56
P 6

```

```

*                100                *                120
HY2_ARATH : -----TELQMLAEKSSKIRLERSMATE N-ETMQVDFDFAGE
YCP2_SYNPY : -----SVLQSWLWDVPGERRWRVTRMDAGDSLOVENS VAY
YHP2_PROMA : -----TVIKSWLWDVPGERRWRVTRMDAGDKLOV LNSVAY
YHP3_PROMA : RNPVHVTTLTWAAKFEKIKQVR LACIKGCESLSVFNLLIH
YCP3_SYNPY : SKSIPVTTATWACKTEKERQVR AACUSAGSAA SVLNFWIN
SLR0116 : -K---LV IENRCYQTPQERKMHE LAKVGKGDE LHCVMF
P 4 E g 6

```

```

*                140                *                160                *
MEPEYDTPIFCANFF TSTNVN--EVLVDLNE LHQLT DQTDYQDKYNN : 165
PDYNDHPLMGVDLLWFGARQKLVAVLDFQPLVQ---DKDYLD RYFS : 115
PAYTNDKPI L GIDILWFGLKRKLVAVLDFQPLVQ---EERYFC RYK : 119
PLNDYDLFFGADFTLPNG--HLLALDLQPA LKL--DNIHTEN VWP : 137
BKSTYGLFFFGGLVTFPAG--HLLALDLQPA IKT--DEVHTTH VWD : 137
PEPLYGLPLFGCDIVAGPGG-VSAATADLS ETQS---DRQLPAA YQK : 135
P Y P g 1 1D P

```

Fig. 5

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```

      180          *          200          *
HY2_ARATH : KIM-----STYHKYAEFFPWGGKLTGESIRFFSPLVMWTR-
YCP2_SYNPY : GLK-----ELNQRFPDLNGEETMRSFDPNQYFSSWLLFCR-
YHP2_PROMA : DLQ-----ILKNRPVDFNSQKTMKIYDSNKYFSPWVLLYN-
YHP3_PROMA : RLI-----PLHDHWQSLLPSGGGEIPKEAEFYFSPGFLWSRL
YCP3_SYNPY : RLI-----PIFERWRDQLPYGGPIPEEAQPFPSGFLWTRL
SLR0116 : SLAELGQPEFEQQRELPPWG-----EIPSEYCLFIR-
      6                      FS      6      I

```

```

      220          *          240          *          260
---FSSSKEKHKAIFSAFLEYQAWLEMTIQVREEMEPSHVRANCEA : 244
----GGAEQADLSLPKAESAFLLKAYWDIHDNAKSIPSTIPPEEVKNL : 193
----GSFDDLQCSLAKILDEFLLHAYWVDNNNSREYIKIIPSKVEQL : 197
PLSKESDNIISEILRPAFGEYLSLYIELLHIAKPLKKER-ALKILEG : 219
PLGEEGDELIQSIVRPAFENDYLDLYLELAASAERVTDER-SEVLLEG : 219
----PSNVTEERERFVQRVVDLQIHCHQSIVAEPLESAQ-TLEHRG : 208
      51

```

```

          *          280          *          300
HY2_ARATH : QHKYLTWRAOKDPGHGLKRLVGEAKAKELLRDFLENGVD
YCP2_SYNPY : QDKYDIYSAERDPAHGLETSHEGKDWSNRFLHEFLTPASS
YHP2_PROMA : HINYDIYSAERDPAHGLEFKSYFGQTWADQFVREFLEPHSH
YHP3_PROMA : QKAYINYRSTKDPARAMLCRFYGKEWTEDYHKKVLENI--
YCP3_SYNPY : QRKYTDYRAEKDPAARGMLTRFHGSEWTEAYLHTVLEDL==
SLR0116 : QIHYCQQQOKNDKTRRYLEKAEGEAWAERYMSQVLEDVIO
      q      Y          Dp      6      G      W      6      LF

```

```

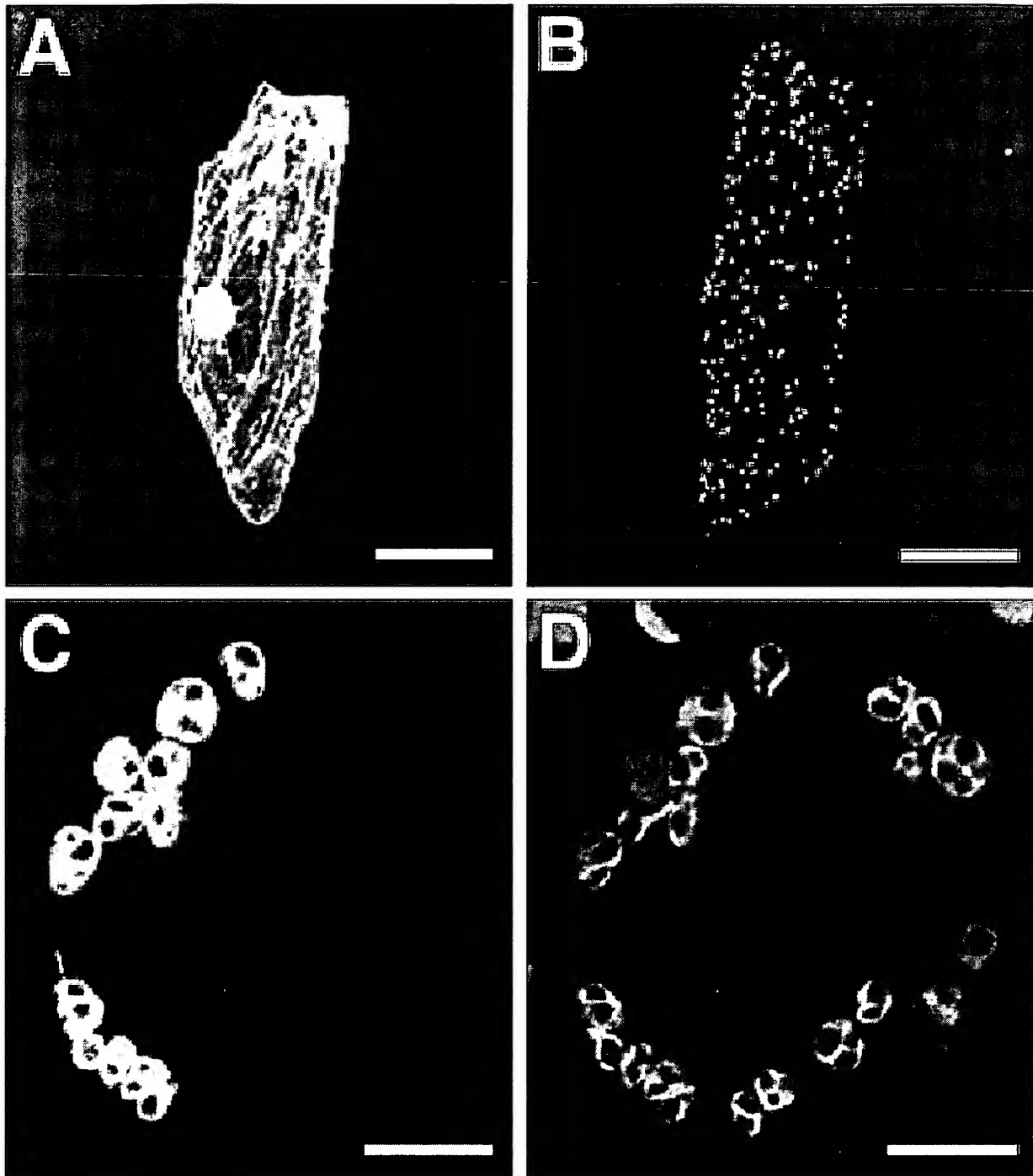
          *          320          *          340
ELGKTKTFIDYFPPEYQTEDGTVSDKRSIIGKSYETRPWDLTGQFIG : 329
SHK----- : 236
LTAD----- : 241
----- : 257
----- : 257
----- : 248

```

Fig. 5 cont'd.



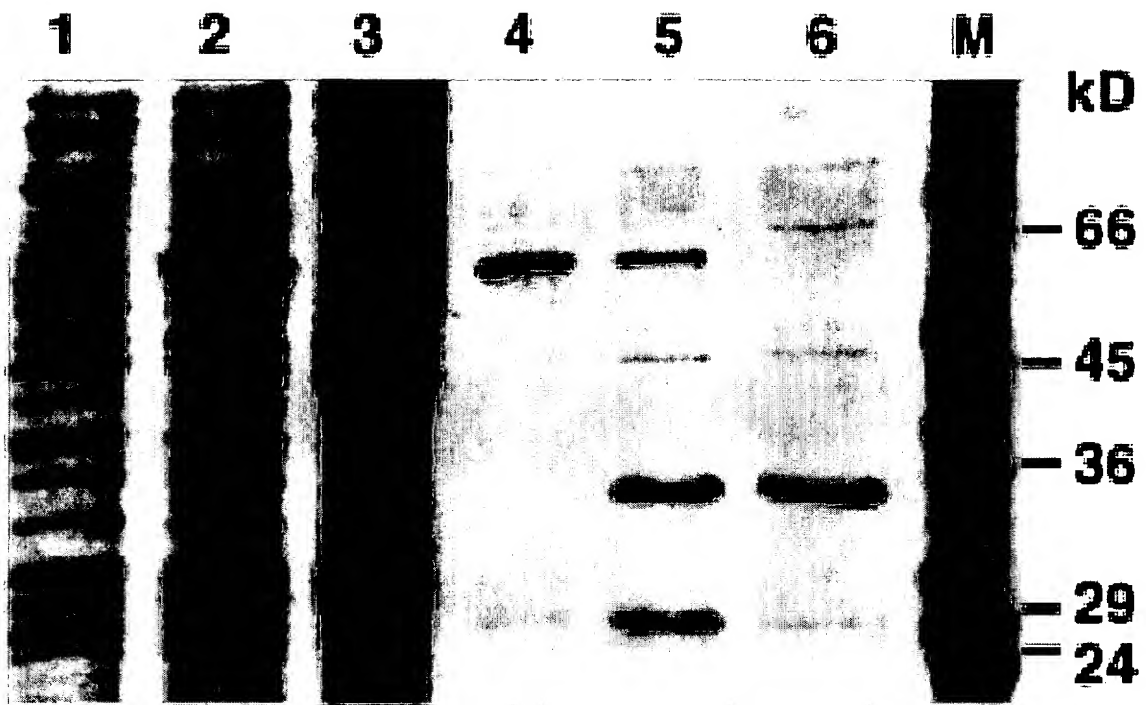
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**Fig. 6**





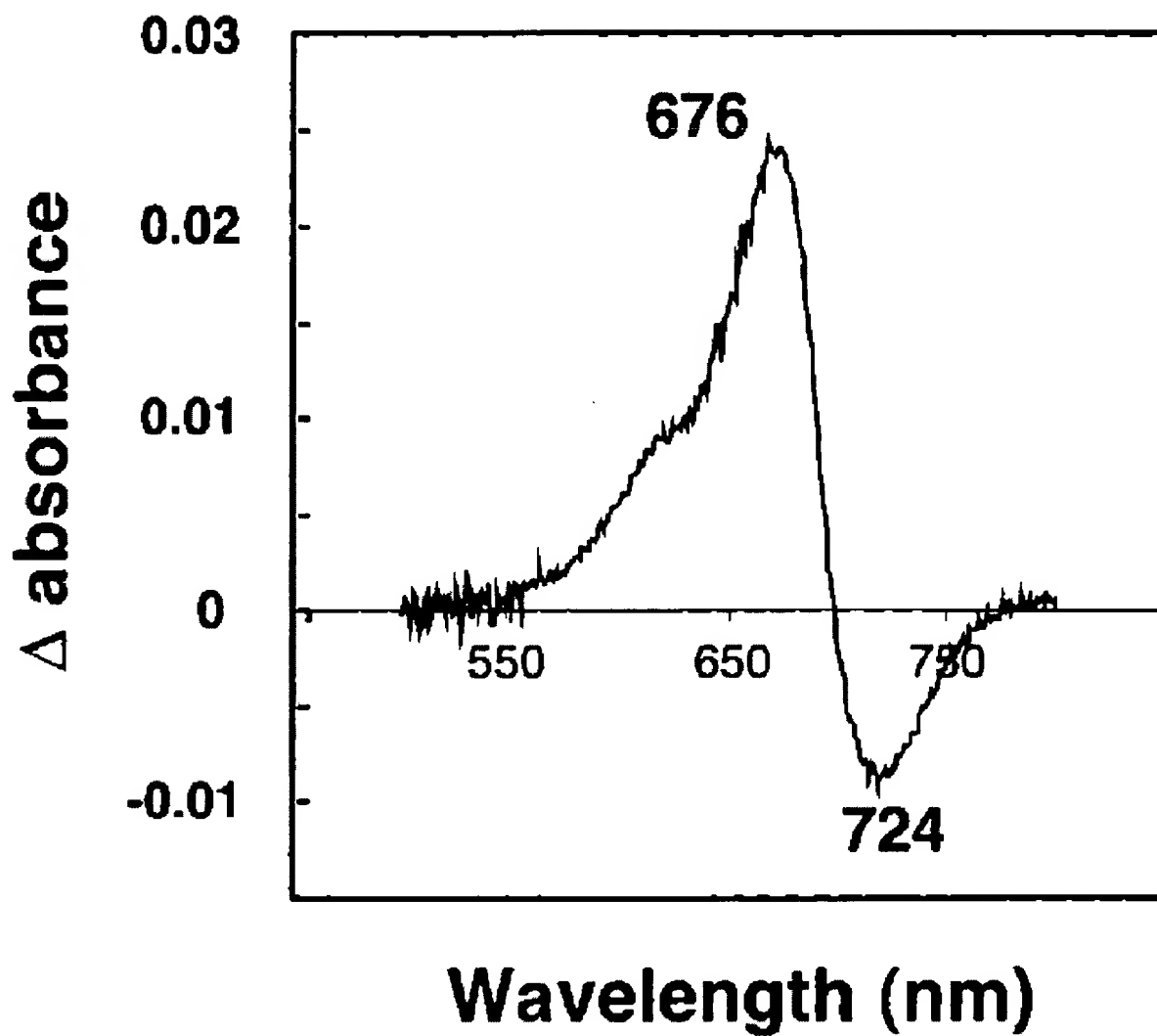
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*Fig. 7*



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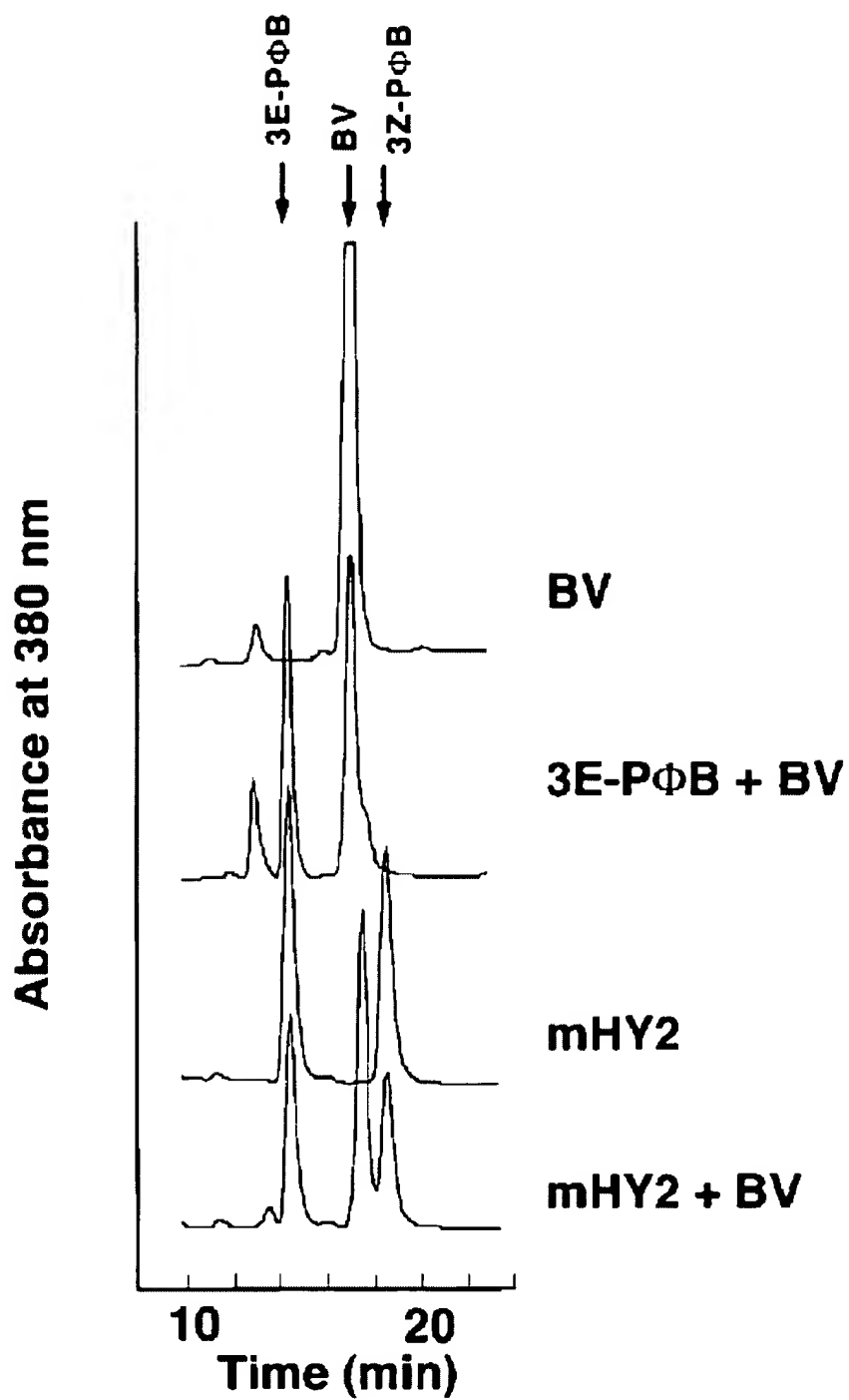


*Fig. 8*

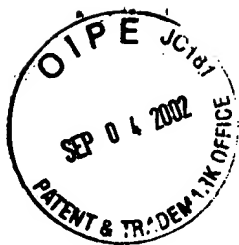


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**Fig. 9**



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	*	20	*	40
PcyA_ANASP :	-----			
PcyA_NOSPU :	-----			
PcyA_SYNY3 :	-----			
PcyA_SYN81 :	-----			
PcyA_PROMA :	-----			
PebA_SYNPY :	-----			
PebA_SYN81 :	-----			
PebA_PROMA :	-----			
PebA_PROMA :	-----			
PebA_NOSPU :	-----			
PebB_SYNPY :	-----			
PebB_SYN81 :	-----			
PebB_PROMA :	-----			
PebB_PROMA :	-----			
PebB_NOSPU :	-----			
HY2_ARATH :	-----			
RCCR_ARATH :	MAMIFCNTLYSSSSPSYLSPLTSKPSRESKNLRPRAQFQS			
RCCR_HORVU :	-----			

	*	60	*	80	*	
-----MSLTSLPSLREQQHPLIRQLADCI						43
-----MSFTSMPSLREQQHPLIRQLADCI						43
--MAVTDL\$LTNSSLMPITLNPMTQQALALAAASWQS-LPEKPYQLPEDL						46
-----MQSPPSESSSTVAPLLPSLAETIRGAWIGLPEEKPLDADSDF						42
-----LNLLSKSLTKTKLIDPLILTLLQNKVQRSKLNDENCIEVDPKL						44
-----NFD\$FLNBLHSDITK-RGGSELPLPEGL						27
-----NFDPFLEBLQTGTOA-RGGISVEMPAGL						27
-----MNKLLMLQDLHNNLKRRILIS-HGGKEIEVENGCM						31
-----NFE\$LNKPFVKTNIE--DEDGKELEISK						25
INETCMIAITYFHARVKNKCSNKKFLEFLEKELFQRFDEQSRVIPFGL						64
----MTNQRFKSTDPVNI EGWSWQPFLDAIKRLEEG-LNMEPYPPVDRF						44
--MSIDLRASSLDPVQIPGWRWQPFLDEASAAOKP-FNPSPYPIAETF						45
----MIKRDMSLSKIDLRDWNTPPFNOLVDKLSV-FEIEPYPMSHDF						44
-----MLIQNTIFYSQEWRWAKFIKFLISQLDN-YHCVEHKIASDF						40
-----MNSERS\$DVTLYQPFLDYAIAYMRSRLDEEYPPIPTGF						37
KINFTLRRRKKRFLLRVSAVS\$YKEFAESALEETRKR-IVEEESHLOQKY						77
HDDHLRRKFMEFPYVSPTRKQIMVDLMSTVENRQOS--QELPCNLPDPV						90

Fig. 10



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100 \* 120 \*

PcyA\_ANASP : GYVEGRLEGEK-----LTTEENRCYQTPQF~~FR~~KMHLELAKVG  
PcyA\_NOSFU : GYVEGRLEGEK-----LTTEENRCYQTPQF~~FR~~KMHLELANIE  
PcyA\_SYNY3 : GYVEGRLEGEK-----LVLENRCYQTPQF~~FR~~KMHLELAKVG  
PcyA\_SYN81 : SSIEGQLEGDD-----LLERNELCCRGV~~FR~~KHLELARLE  
PcyA\_PROME : SNIISNEEGKE-----LYTENEFYKAKGF~~FR~~KLHI EVAEFS  
PebA\_SYNPY : EECSRSSKSS-----SVTQSWLWDVPGF~~FR~~RWRVTRLDAG  
PebA\_SYN81 : EHNQSQKGS-----STIQSWLWQVPGF~~FR~~RWRVTRLDAG  
PebA\_PROMA : SERFSHKQD-----TVIKSWLWDVPGF~~FR~~RWRVTRMDAG  
PebA\_PROME : EFKEHHNKD-----SKYI~~FR~~KNWIEESQY~~FR~~KWRI TKLDGG  
PebA\_NOSPU : EFKVSDRGR-----NPAT~~FR~~RSWCYQSQEL~~FR~~KERY TYIDAG  
PebB\_SYNPY : LQREDQTGSKSK-SIPVTTATWACKTEK~~FR~~QVRAACVSAG  
PebB\_SYN81 : LQKEGSTGSKAK-PVPVTTATWACSTD~~FR~~KLQVRCACVEAG  
PebB\_PROMA : LSKESTITGSRRN-PVHVTTLTWAAKFEK~~FR~~IQVRLACIKG  
PebB\_PROME : SYKESSYGSKKS-KKNIN~~FR~~FTWGATHQKRINFARAVCINS  
PebB\_NOSPU : BSNSAVVGKGN-QEEVVTTSYAEQTAKL~~FR~~QVRAAHVQGE  
HY2\_ARATH : SSMTGLDG-----KTELQMLAEKSSKI~~FR~~LLRSMAIEN-  
RCCR\_ARATH : RNFNNPNGSAEASLHIRSGDKSSPIDFVIGSWIHCKIPTG  
RCCR\_HORVU : -----MDFMLQSSLHCKV~~FR~~PNG

9

140 \* 150 \* 180

NMLDILHCVMFFRPEYDLPMEEC~~FR~~DLVGGR-GQISAA~~FR~~ADLSPVHL---DRTL : 126  
NMLDILHCVMFFRPFQYNEPMEEC~~FR~~DLVGGR-GQISAA~~FR~~ADLSPQL---ERTL : 126  
KGLDILHCVMFFPEPLYGEPMEEC~~FR~~DLVAGP-GGVSAATADLSP~~FR~~TQS---DRQL : 129  
RGLDILHCVMFFDPRFDLPMEEC~~FR~~DLVAGP-AGVSAATV~~FR~~DLSPV---SGTL : 123  
KSLKILHCVMFFPDPKYDLPMEEC~~FR~~DLVKVN-ELVSAATV~~FR~~DLSPSSK---NQNL : 127  
DSLOVENSVAYPDYNYPHPLMGV~~FR~~DLWFGARQKLVA~~FR~~VLD~~FR~~FQPLVQ---DKDY : 109  
DSLOVENSVAYPDFDLHPLMGV~~FR~~DLWFGARQKLVA~~FR~~VLD~~FR~~FQPLVQ---DKDY : 109  
DKLOVENSVAYPAYTNDKPLGLI~~FR~~DLWFGLKRKLVA~~FR~~VLD~~FR~~FQPLVQ---EERY : 113  
DKLOVENSVAYPNFKSEFPPLGAD~~FR~~DLWFGTSQKLLA~~FR~~TFDYQPLIQ---EKKY : 109  
ESAQIENSUVVYPSHNYDLPPLGI~~FR~~DLFSFG-KVKNLIV~~FR~~DLFQPLFQ---DEDY : 147  
SAASVENFVINPKSTYGLPPEGG~~FR~~DLVTFP--AGHLLALDLQPAIK--TDEVH : 131  
MAASVENFVINPSCRFDPPEGA~~FR~~DLVTLP--NGHLLALDLQPV~~FR~~DK--ADPDH : 132  
ESLSEVFNLLHPLNDKLEPPEGA~~FR~~DLVTLP--NGHLLALDLQPA~~FR~~LK--LDNIH : 131  
PNYSVENFLLIIPKTSYNRPFLGV~~FR~~DLVSLP--TSHLLVLD~~FR~~FQPSLK--VENQF : 127  
NSLOVENFVIFPHLNYPDPPEGA~~FR~~DLVTLP--GGHLLALDLQPE~~FR~~FR--DOSAY : 124  
ETHQVDFDFAGFMEPEYDTPPECANFETST--NVNIVLDEN~~FR~~PHQLTDQTDY : 159  
VSLNITSISGFLNSSTKAPNEVVELIQSS-SKSLVL~~FR~~LDLPHRKDLVLNPDY : 181  
-AIDITSLFINLNASTOAPHEIMEFIQGS-PTSMVLLDL~~FR~~LPRKDLALHPEY : 66

4 p P g l 4 D P

Fig. 10 cont'd.



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200 220

PcyA\_ANASP : PESYNSAITSNT----LNFSQP RELP WGN I ----FSDF  
PcyA\_NOSPU : PESYTTAIAQIPV----LNFSQP RELP WGN I ----FSDF  
PcyA\_SYNY3 : PAAYQKSIAELGQ----PEFEQQ RELP WGEI ----FSEY  
PcyA\_SYNB1 : PSGIETALAGTPS----PAFRQVRDLPGWGTI ----FSBH  
PcyA\_PROME : --KYDHL LSHIDK----SVFKSKREIPIWGN I ----FSKN  
PebA\_SYNPY : LDRYFSG LKE LNQRFPDLNGEETMRSFDPNQY ----FSSW  
PebA\_SYNB1 : LDRHFDG LKDLNARFPDLNGEETMRSFDPNQY ----FSSW  
PebA\_PROMA : FCRYYKDIQILKNRFVDFNSQKTMKIYDSNKY ----FSPW  
PebA\_PROME : LOKYCS SINDFTKNOYSVFDNHKMKN IYDSKKY ----FSPW  
PebA\_NOSPU : QNKYIAP LKY LHNKY PDLAQNLEMKFYDANQY ----FSKY  
PebB\_SYNPY : TTHVWDR LIP IFERWRDQLPYGGPIPEEAQPF ----FSPG  
PebB\_SYNB1 : TQFVWER LIMP IFERWQAE LFDGGPIPEEAQPY ----FSBA  
PebB\_PROMA : TENVWPR LIP LHDHWQSL LPSGGEI PKIAEPY ----FSPG  
PebB\_PROME : NSELLEQ LILK LK SCHSSLPVABKMSEIVAKF ----FSPG  
PebB\_NOSPU : QAKYTEP LIP LFAHQH LSWGGDFPEEAQPF ----FSBA  
HY2\_ARATH : QDKYYNK LMSIY HKYAETF PWGGKL TGESIKF ----FSDL  
RCCR\_ARATH : LKEYYQDTALDSHRQSL LKLPEVNPYVSPSLFVRSASFST  
RCCR\_HORVU : IEKY YEDTEVDKQRKIIEQLPQARPYLSPSLFVRSASFST

4 FS

240 260

CIFVRP-----SSPEEEAMFLGRVREF LQVHCQGAIAA--SPVSAEQK : 199  
CIFVRP-----GSPEEEAMFLSRVREFLDHCHMQAIAS--HPVSVEQV : 199  
CLFVRP-----SNVTEERFVQRVDFLQVHCHQSIVA--EPLSEAQT : 202  
VCFVRP-----DGAEEEVLFRSRVEHULTLRTAVLQTACEPATAAST : 198  
VFEASL-----KNESEKNAFCKIVDNYLSVLIQLSQST--SPDSDYEI : 198  
ILFVRG-----GAEQADLS LPKAFSAFLKAYNDLHDNA--KSIPSTIP : 186  
ILFVRG-----GSEADRS LPKAFSAFLKAYNGLHDEA--SKEPSSIS : 186  
VILYNG-----SPDDLQCS LAKILDEFIHAQVQVDNNN--SREYIKII : 190  
VMICRG-----NKLNLDRD LNNIFCSFUSNVLTINKLH--ONNOFLD : 185  
LFAKT-----DAETVSTRVFEAFQDYINLYNQMLADA--QALHDPED : 224  
FLWTR LPLGE---EGDELIQSIWRPAFNDYLDLYLELAASA--ERVTDERS : 213  
FLWTR LPLGE---EGDELIERVIRPAFIDYLOLYNLVAEA--EFVSDDRA : 214  
FLWTR LPLSK---ESDNIISEI LEPAFGEYLSLYIELLHIA--KPLKKERA : 213  
LWTR LAKHQ---DSDNLIENQLYDSFKEYINLYLKTLFES--EEVGHGLQ : 209  
FLWTRP-----QETAVVETQVFAAFKDY LKAYLDFVEQA--EAVTDSQN : 202  
VMWTRF-----SSSKEKHKALFSAFLEYQANLEMTIQV--REEMEP SH : 237  
ASMLKIDAE--EDKLEELRDHVSFAAKEVLEWLERCVKEEBEKIVVGE : 271  
AVFETIDCGKGEGTLEETVHGH LASVVKGILOVWLDTCASD--ASEMEEG : 155

4

Fig. 10 cont'd.



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280 \* 300 \*

PcyA\_ANASP : QQITA-GOHNYC SKQOOND KTRRVL EKA FGVDAF NVM TT  
PcyA\_NOSPU : TQNTLA-GOHNYC TKQQOND KTRRVL EKA FGPVWA ENY MT  
PcyA\_SYNY3 : LEHRQ-GOIHVC QQQQKN D KTRRVL EKA FGEAWA ERY NSQ  
PcyA\_SYNB1 : IRRYE-GOLSYC LQQKRND KTRRVL EKA FDASNA ERY IEE  
PcyA\_PROME : IEERINY QKNYC VQOMKN E KTS LVL ELY FDKVWV DEY IEK  
PebA\_SYNPY : PEEVKNL QDKYDI YSAERD PAHGIFT SHFGKEWS NR FLHE  
PebA\_SYNB1 : PGDVERL QNAYDV YSAERD PAHGIFT SHFGKEWS NR FLHE  
PebA\_PROMA : PSKVEQL HINYOI YSAERD PAHGIFK SYFGOTWA QFVRE  
PebA\_PROME : LEQIKNN QIDYQ KYSAEK D EADKLFK TPFGBTW TENG INN  
PebA\_NOSPU : IQRIVKA QKDYO QYSADR D PASGLFSS YFGHEWA ERL HE  
PebB\_SYNPY : EVLLQ-GQKRYT DYRAEK D PARGM LTRFH GSEWTEA WHT  
PebB\_SYNB1 : ELLLS-GQKRYT AYRAEK D PARGM LTRFY GSEWTE SYIHG  
PebB\_PROMA : LKILE-GQKAVI NYRSTK D PARAM LCRFY GKENTED YIHK  
PebB\_PROME : QELIN-GQNDYL NYRRDN D PARPMLS SLFGK DFTES LINK  
PebB\_NOSPU : LVAILQA QLRYL RYRAEK D PARGM FKFYGA EWT EYIHG  
HY2\_ARATH : VRANCEA QHKYL TWRAQK D PGHGL LKRLVGEAKA KEILLAD  
RCCR\_ARATH : ERMELER RDKSFR RKSIE D DLDLQFP FMEFGEEV SSRVWA  
RCCR\_HORVU : EREIMVK RDR TVRSKS IEVOLTANL PFMFGP EVSGRIIAE  
q y 1 4 3G 4

320 \* 340 \* 360

VLFDLPE----- : 245  
VLFDLPT----- : 245  
VLFDVIQ----- : 248  
LLFD DPLPPG----- : 247  
VLFDPF----- : 243  
FLFPASSSHK----- : 236  
FLFPASQPA----- : 235  
FLFP HSHLTAD----- : 241  
FLFTLNHNPLK----- : 236  
FLTEDAVPLAVSASKR----- : 280  
VLFDL----- : 257  
VLFDLEDA----- : 262  
VLFDNI----- : 257  
VLFBSTNKVL----- : 257  
FLFDLERKLT VVK----- : 255  
FLFNGVDELGKTFIDYFPEYQTE DGT VSDKRSI IGKSYETR PWDLTGQFIG : 329  
IRKAFGVL----- : 319  
IRKAFGVQEG----- : 205  
LF

Fig. 10 cont'd.



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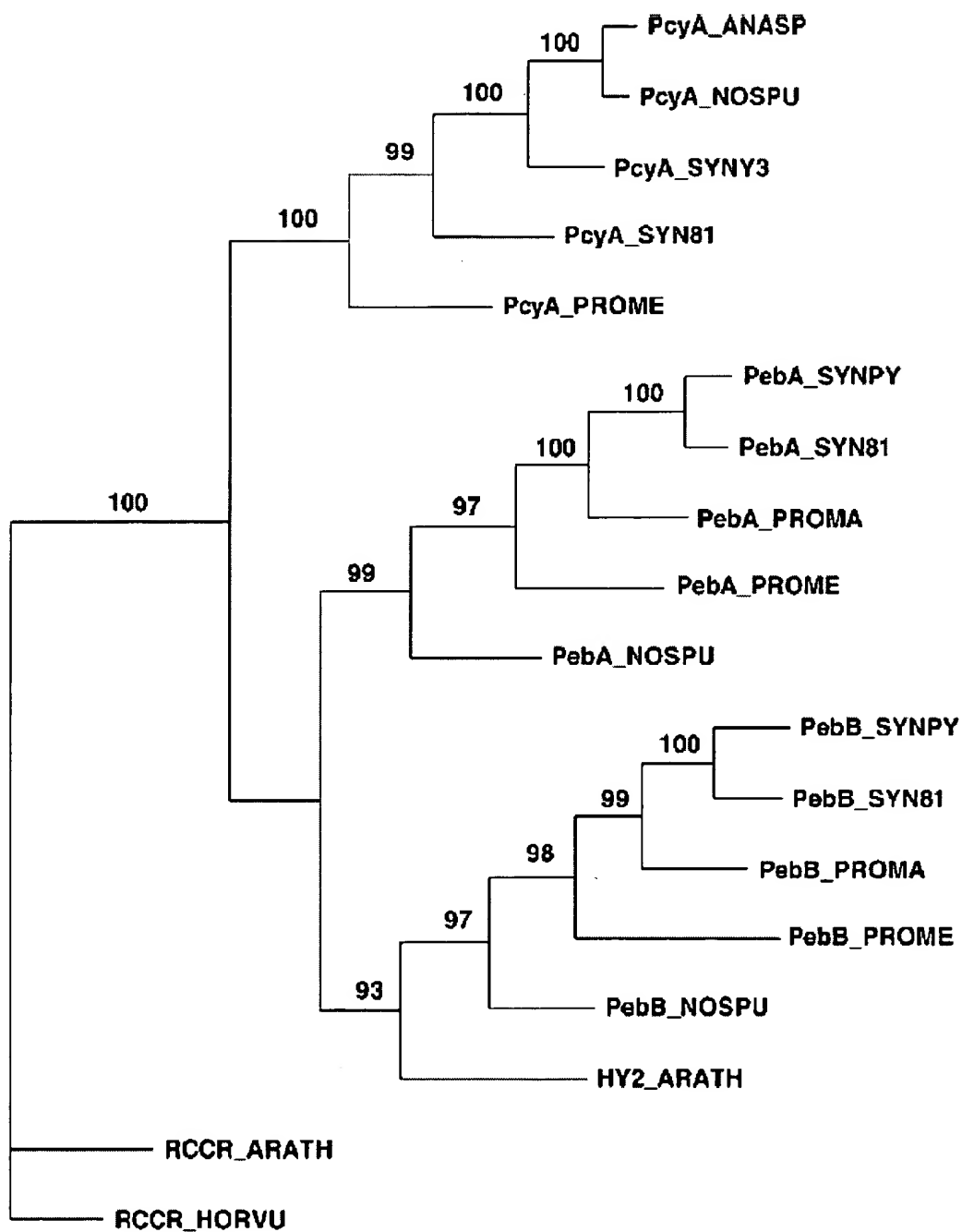
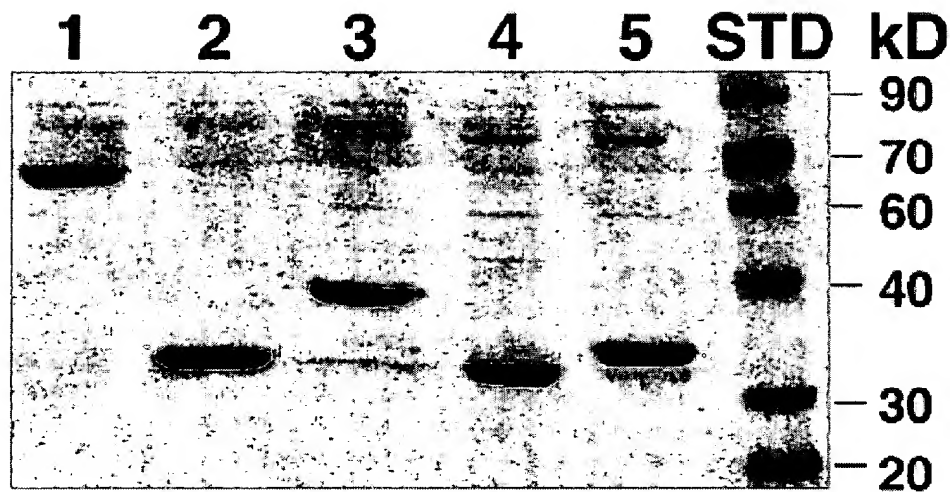


Fig. 11



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**Fig. 12**

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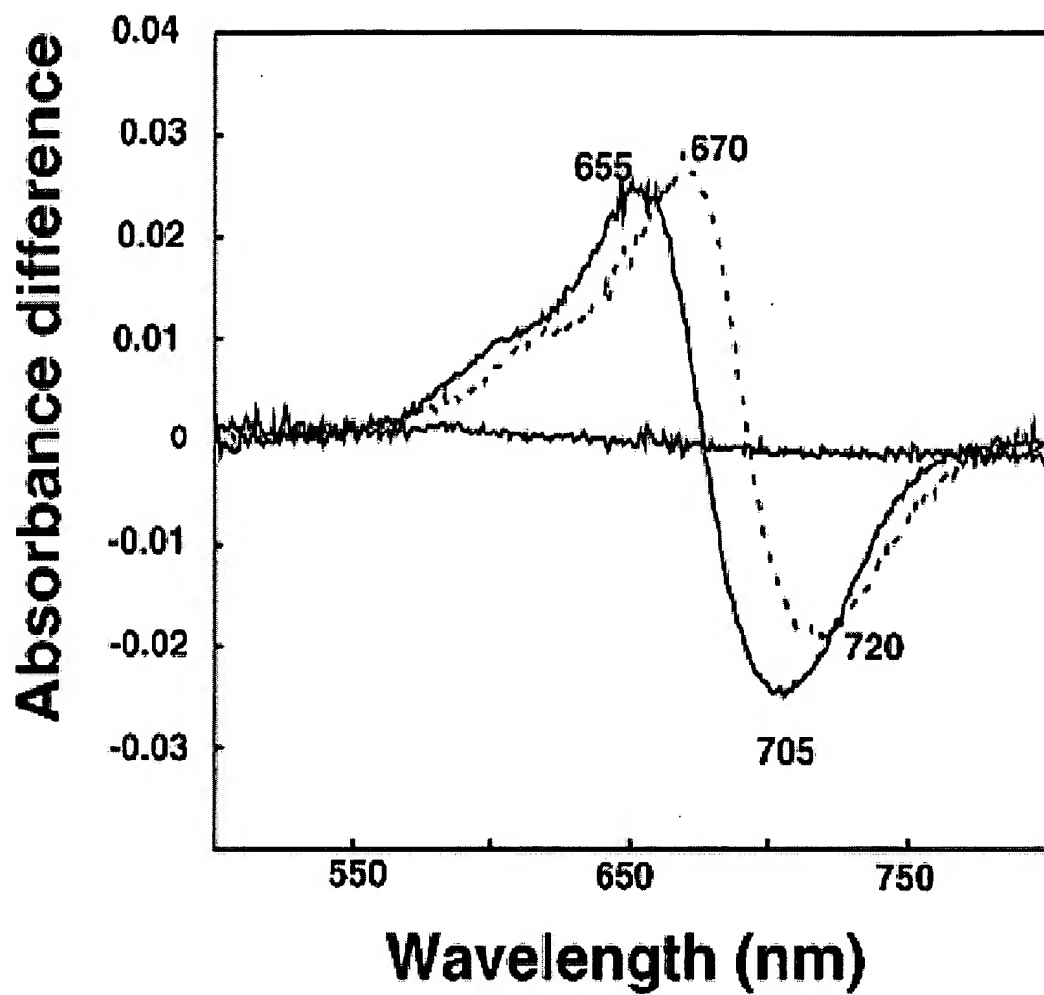
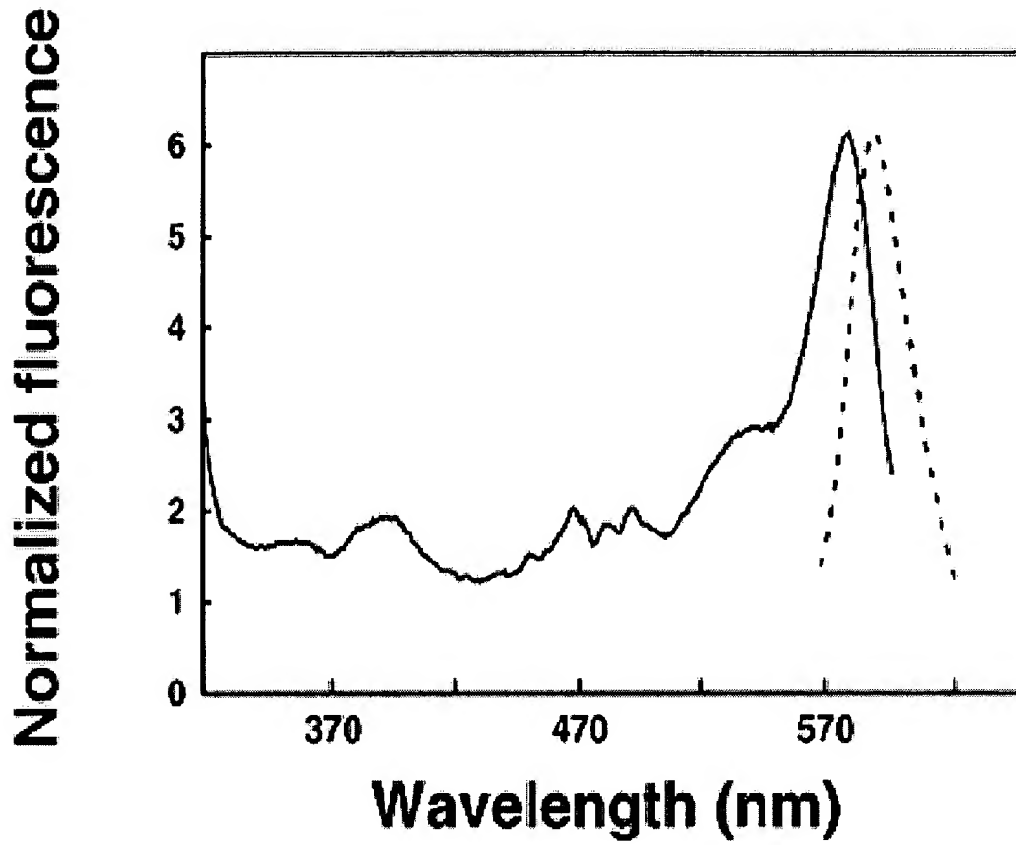


Fig. 13A

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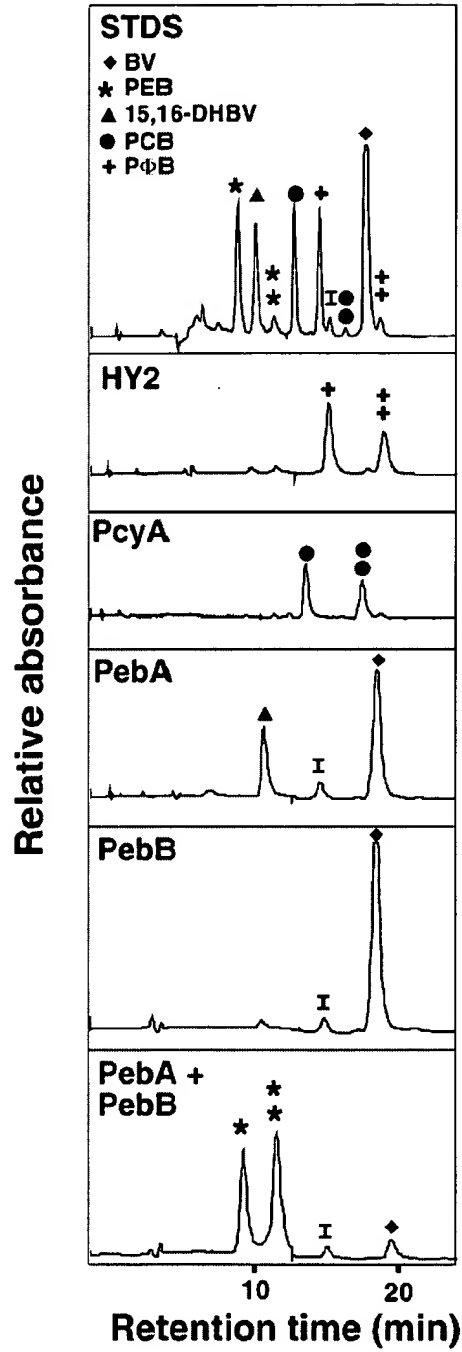


*Fig. 13B*



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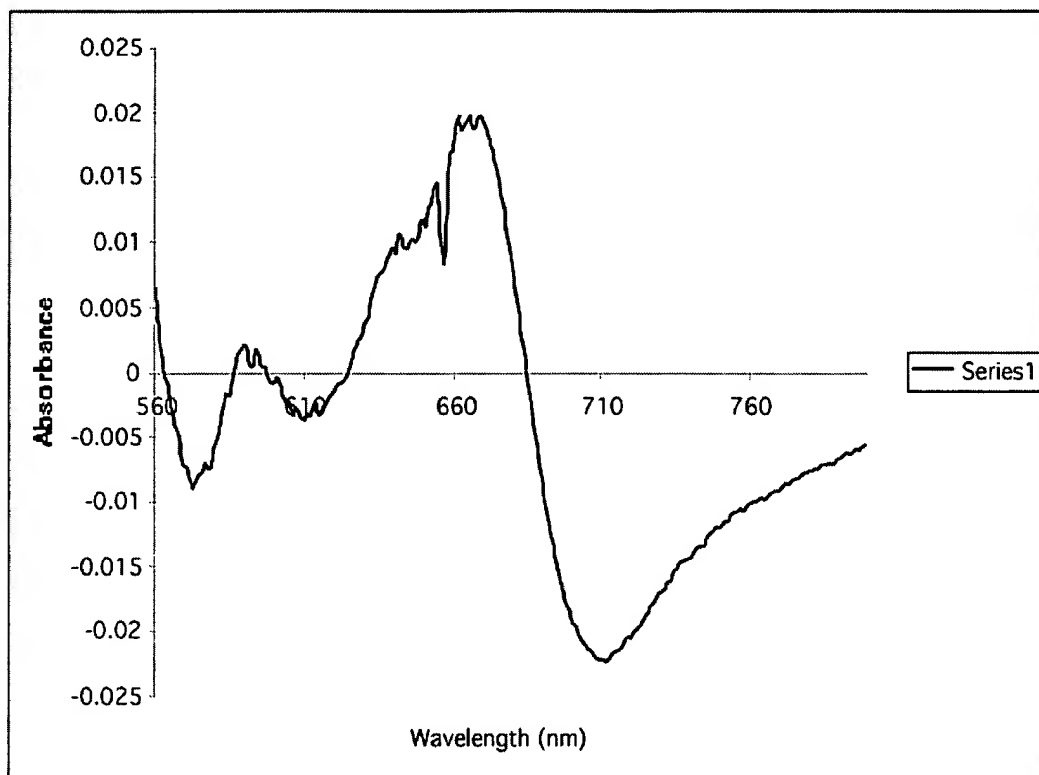


**Fig. 14**

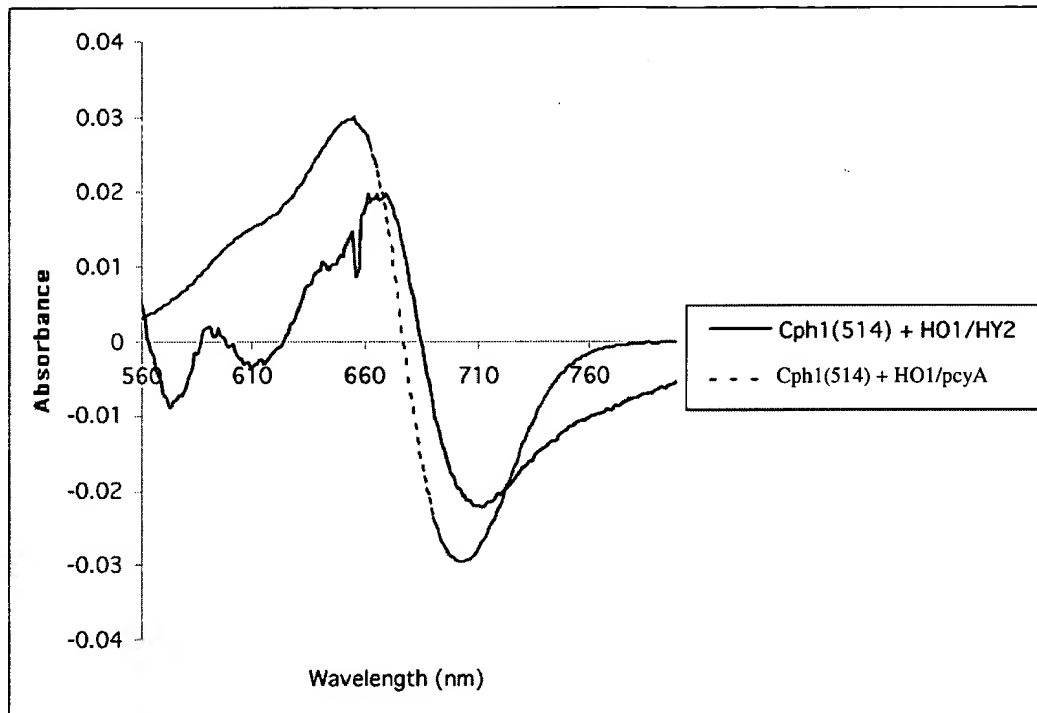


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**Fig. 15**

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